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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/709,253	04/23/2004	Brendan Coffey	031075	3252
22876	7590	09/29/2008	EXAMINER	
FACTOR & LAKE, LTD			MARTIN, ANGELA J	
1327 W. WASHINGTON BLVD.				
SUITE 5G/H			ART UNIT	PAPER NUMBER
CHICAGO, IL 60607			1795	
			MAIL DATE	DELIVERY MODE
			09/29/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/709,253	COFFEY ET AL.	
	Examiner	Art Unit	
	ANGELA J. MARTIN	1795	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 6/19/08.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-45 is/are pending in the application.
- 4a) Of the above claim(s) 19-22 and 25-45 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-18, 23, 24 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ . |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ . | 6) <input type="checkbox"/> Other: _____ . |

DETAILED ACTION

This Office Action is responsive to the Remarks filed on June 19, 2008. The rejection is made final for the following reasons of record.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-18, 23, 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Lee et al., U.S. Pat. No. 6,472,099 B1.

Rejection of claims 1-18, 23, 24 drawn to an electrochemical battery cell.

Lee et al., teach an electrochemical battery cell comprising: a cell housing defining an inner space, a first terminal and a second terminal; and at least one pre-formed pellet disposed within the inner space of the cell housing, the pellet comprising: an outer electrode portion formed from a material to geometrically define the pellet in a solid form, the outer electrode portion in electrical communication with the first terminal of the cell housing; and an inner electrode encapsulated by a separator and embedded within the material of the outer electrode portion, the inner electrode in electrical communication with the second terminal of the cell housing and electrically insulated from the outer electrode portion (abstract; Fig. 2-4). The battery cell of claim 1, wherein

Art Unit: 1795

the inner electrode comprises a thin and substantially flat structure (disk) in a coiled configuration (Fig. 7). The battery cell of claim 1, wherein the inner electrode includes an electrical lead to facilitate electrical communication with the negative terminal of the cell housing (col. 5, lines 21-30). The battery cell of claim 1, wherein the inner electrode comprises an anode and the outer electrode portion comprises a cathode portion, and wherein the first terminal has a positive polarity and the second terminal has a negative polarity (col. 17, lines 10-46). The battery cell of claim 4, wherein the anode comprises a thin and substantially flat structure in a coiled configuration (col. 10, lines 50-66). The battery cell of claim 4, wherein the anode includes an electrical lead to facilitate electrical communication with the negative terminal of the cell housing (col. 5, lines 21-30). The battery cell of claim 4, wherein the anode comprises a material selected from the group consisting of zinc, metallic zinc; and wherein the cathode portion comprises MnO₂ (col. 3, lines 55-63). The battery cell of claim 4, the material of the cathode portion consisting essentially of: MnO₂; a conductive powder; and an additive selected from the group consisting of a binder, and combinations thereof (col. 18, lines 31-35). The battery cell of claim 4, further comprising a current collector embedded within the material of the cathode portion (col. 15, lines 29-37) teach an electrochemical battery cell comprising: a cell housing defining an inner space, a positive terminal and a negative terminal; and a plurality of pre-formed pellets disposed within the inner space of the cell housing, each of the pellets comprising: a cathode portion formed from a material to geometrically define the pellet in a solid form, the cathode portion in electrical communication with the positive terminal of the cell housing; and an anode

Art Unit: 1795

encapsulated by a separator and embedded within the material of the cathode portion, the anode in electrical communication with the negative terminal of the cell housing and electrically insulated from the cathode material (abstract; Fig. 2-4). The battery cell of claim 11, wherein the cathode portion of each of the plurality of pellets is in direct electrical contact with the cathode portion of at least one of the other pellets (claims 1 and 11). The battery cell of claim 11, wherein the anode of each of the plurality of pellets includes an electrical lead, the electrical lead of the anode of each of the plurality of pellets being in direct electrical contact with one of either the electrical lead of the anode of one of the other pellets or the negative terminal of the cell housing (claims 1 and 11). The battery cell of claim 11, wherein the anode comprises a thin and substantially flat structure (disk) in a coiled configuration (Fig. 7). The battery cell of claim 11, wherein the anode comprises a material selected from the group consisting of metallic zinc (col. 18, lines 25-40). The battery cell of claim 11, the material of the cathode portion consisting essentially of: MnO₂; a conductive powder; and an additive selected from the group consisting of an electrolyte (col. 18, lines 25-40). An electrochemical battery cell comprising: a cell housing defining an interior space; a positive terminal and a negative terminal connected to the cell housing and having a portion disposed exteriorly the cell housing; and at least one pre-formed pellet disposed within the interior space of the cell housing, the pellet comprising a cathode portion and an anode encapsulated by a separator, the pellet being formed by embedding the anode into a material used to form the cathode portion and forming the cathode portion to geometrically define the pellet the cathode portion in electrical communication with

the positive terminal of the cell and the anode in electrical communication with the negative terminal of the cell (abstract; Fig. 2-4; col. 17, lines 10-46). The battery cell of claim 23, wherein the pellet further comprises a current collector embedded within the material used to form the cathode portion (col. 3, lines 14-29).

Thus, the claims are anticipated.

Response to Arguments

3. Applicant's arguments filed 6/19/08 have been fully considered but they are not persuasive. Applicant argues that: "As used in the present application, a "pre-formed pellet" contains, among other things, an inner electrode portion (usually an anode) and an outer electrode portion (usually a cathode). The two portions are formed into a pellet, prior to the insertion of the pellet into the battery housing." However, the Applicant's specification does not define a "pre-formed pellet" as "two portions are formed into a pellet, prior to the insertion of the pellet into the battery housing." Thus, there is no support for Applicant's argument of how the pellet is formed in Applicant's specification.

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

Art Unit: 1795

mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANGELA J. MARTIN whose telephone number is (571)272-1288. The examiner can normally be reached on Monday-Friday from 10:00 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1795

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AJM
Examiner, Art Unit 1795

/PATRICK RYAN/
Supervisory Patent Examiner, Art Unit 1795

Application Number 	Application/Control No.	Applicant(s)/Patent under Reexamination
	10/709,253	COFFEY ET AL.
Examiner	Art Unit	
ANGELA J. MARTIN	1795	